20150007
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aero-stream

Instructions for Riser Kits

P/N: 102367, 101975, 101976, 101977, 101978, 101979, 102364

Tools required:

- Electric drill
- 5/32" drill bit (carbide tip masonry bit if you have a concrete septic tank)
- #2 Phillips head driver bit

Steps:

1.) Expose and clean a 32" x 32" square area on the top of the septic tank centered on the clean-out opening on the tank.
2.) Apply the butyl sealant rope in the groove of the base plate (Fig. 1) on edge with the white tape towards the inside of the riser (Fig. 2), overlapping and kneading the ends of the rope together (Fig. 3).
3.) Remove the white tape from the sealant rope as discard the tape.
4.) Center the riser assembly on the tank clean-out opening and apply pressure around the perimeter of the base flange above the sealant rope to compress sealant between the tank and the base flange.
5.) Drill (4) 5/32" diameter holes through the dimples at the four corners of the base flange at least 1 ½" deep into the tank cover. If the tank in made of concrete, use a carbide tip masonry bit.
6.) Fasten the base plate to the tank using enclosed screws (Fig. 4).
7.) Backfill around riser with sand or washed stone to prevent movement from frost if applicable in your climate.

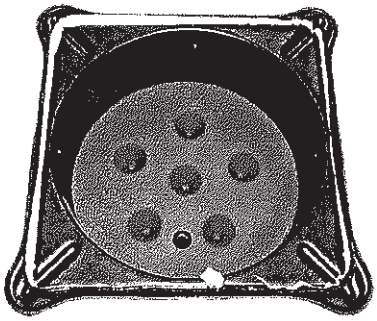


Figure 1

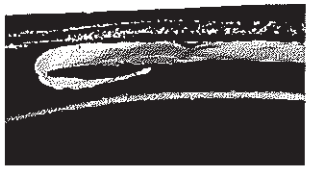


Figure 2

Figure 3

Figure 4

20150007

Septic Tank Riser Assembly

Karl K. Holt
President
Aero-Stream, LLC
January 7, 2015

Introduction

This approval request is for a family of septic tank riser assemblies ranging from a nominal 7" – 51" height. The construction of all risers is identical.

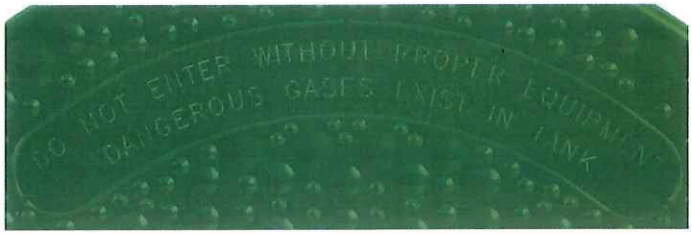
Specifications

1. Riser base manufactured of nominal ¼" thick HDPE and anchored to tank with mechanical fasteners.
2. Riser base sealed to tank with butyl joint sealant.
3. Riser ring manufactured of HDPE double wall corrugated pipe per ASTM F2648, 24" I.D.
4. Riser ring attached to riser base with minimum of (3) mechanical fasteners.
5. Riser ring sealed to riser base with butyl, silicone or polyurethane joint sealant.
6. Secondary safety barrier fastened to I.D. of riser ring with minimum of (3) mechanical fasteners.
7. Secondary safety barrier can be removed to access tank for repair of baffles, etc. by loosening (3) mechanical fasteners.
8. Tank can be serviced without removal of secondary barrier by inserting hose through triangular openings.
9. Riser cover manufactured of nominal 1/8" thick HDPE with capability of being filled with concrete or aggregate to increase mass.
10. Riser cover attached to riser ring with (4) mechanical fasteners which are not standard Phillips or flat slot drive to be considered an effective locking device.
11. Riser cover sealed to riser ring with closed cell foam gasket.
12. Riser cover to have raised molded-in text "WARNING DO NOT ENTER DANGEROUS GASES" or "DO NOT ENTER WITHOUT PROPER EQUIPMENT DANGEROUS GASES EXIST IN TANK".
13. Riser assembly tested under compressive load of 3,500 or 2,500 lbs resulting in 1.32" max. deflection (see attached 3rd party test results).
14. See chart below for model information.

Model	Nominal Height	Total Height
AS-R07	7	7.125
AS-R10	10	10.25
AS-R13	13	13.375
AS-R20	20	19.625
AS-R26	26	25.875
AS-R38	38	38.25
AS-R51	51	50.875

Images

Typical Riser Components



Warning Message

With Safety Barrier

7" Riser Assembly

W/Safety Barrier In-Place
(Cover Not Shown)

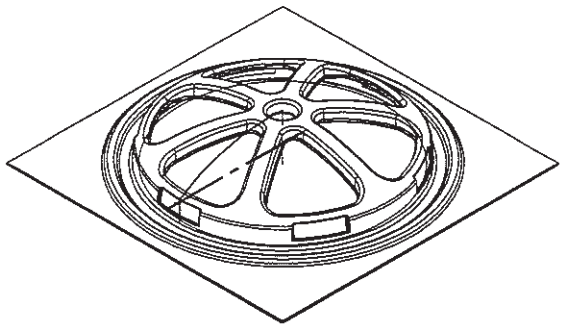
51" Riser Assembly

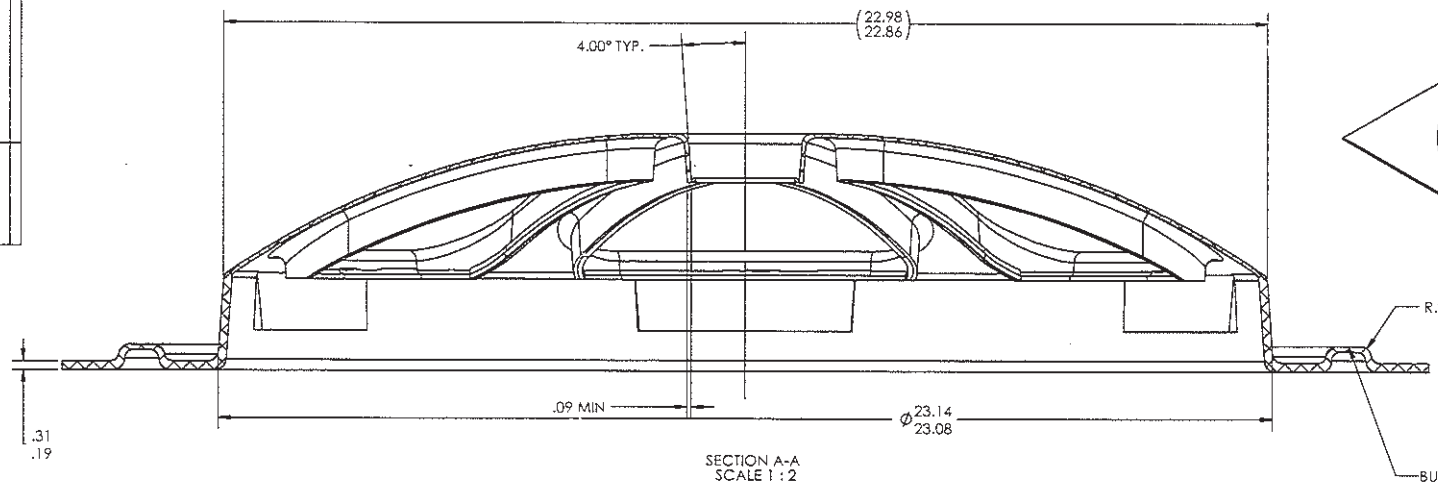
I certify that the information contained in this report is accurate and meets or exceeds the requirements of product approval as outlined in WI Comm SPS 383.

Karl K. Holt President

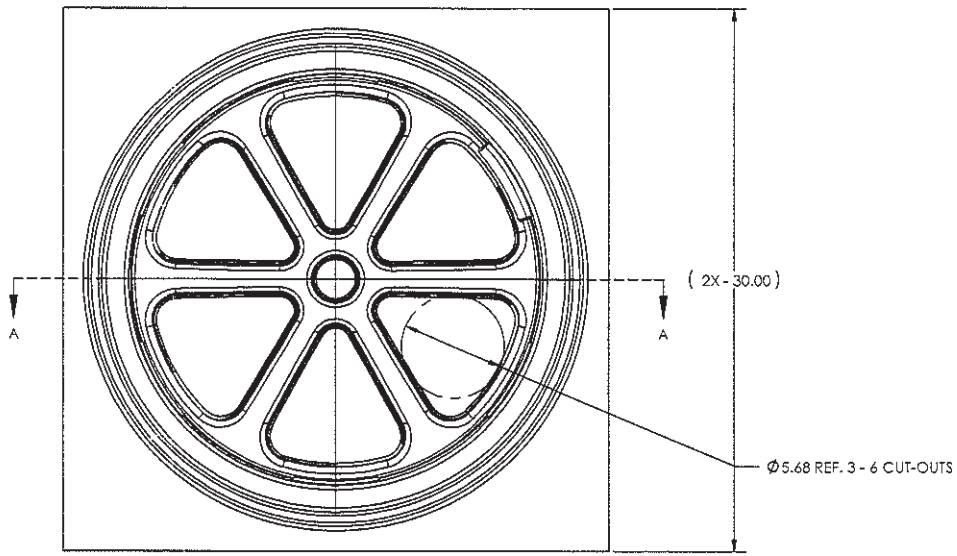
Karl K. Holt Signature 1/7/15 Date

REV	DESCRIPTION	DATE	APPROVED
A	RELEASED FOR QUOTATION	5/29/03	





SECTION A-A
SCALE 1 : 2



UNLESS OTHERWISE SPECIFIED:
1. REFER TO CAD MODEL FOR UNSPECIFIED FEATURES AND DIMENSIONS
2. TOLERANCE ON UNSPECIFIED FEATURES AND DIMENSIONS +/- 0.060"

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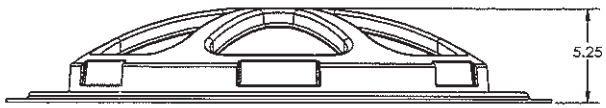

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTION DECIMAL ANGLES
+/- 1
XX+/-.030

CAD GENERATED DRAWING DO NOT MANUALLY UPDATE

	APPROVED	DATE
DRAWN	KKH	050813
CHECKED		
ENG APP	KKH	
MFG APP		
CUST APP		

MATERIAL: UTILITY GRADE HDPE - BLACK
FINISH:

NEXT ASSY	USED ON
APPLICATION	DO NOT SCALE DRAWING

AERO-STREAM, LLC
W200 N7704 CHRISTINE LANE
HARTLAND, WI 53029 (262) 538-4000

ADAPTER, 24" DIA. RISER

SIZE C | CAGE CODE | 101911 | REV A

SCALE | WEIGHT | SHEET 1 OF 1